

TABLE 5  
MCM 5 PROGRAMS - LONG-TERM STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT (POST-CONSTRUCTION STORM WATER MANAGEMENT)

ID	Program	Permit Part	Audience	Target Pollutant	Objective	Measurable Goal	Milestone Date	Description	Reasons for Selection	Person Responsible	Measure of Success	Documentation
5.1	City Ordinances	4.2.5.1 4.2.5.2 4.2.5.2.1 4.2.5.2.2	Engineers, Construction Contractors, Developers, Planners, and MS4 Personnel	Sediment, debris, trash, nutrients, cleaning chemicals, oils, and other pollutants related to post development operation procedures	Make necessary revisions to meet new permit requirements	1) Review and update City ordinances to require installation, maintenance, and inspection of long-term storm water structural controls as well as consideration of LID and green infrastructure development approach	7/1/2015 (Complete)	Sandy City has an ordinance in place which is Title 17, Storm Water Ordinance. The City will review the existing storm water ordinance and other pertinent ordinances and make necessary revisions to conform to the new permit requirements and to require long-term post-construction storm water controls for development or redevelopment sites greater than one acre or part of a common plan of development that disturbs one acre or more. The ordinances will also require inspections, maintenance, and reporting through use of a Post-Construction Storm Water Maintenance Plan and Agreement (see Program 5.3).	Ordinance specifically for MS4 regulations is necessary to create and enforce the programs.	Program Manager	Updated ordinances that conform with new permit requirements	Storm Water, Land Development Code, and Streets and Public Improvements Ordinances (Storm Water - Development and Construction Webpage)
5.2	Sandy City Standard Plans and Specifications	4.2.5.2.2 4.2.5.3 4.2.5.3.1 4.2.5.3.2 4.2.5.3.4	Engineers, Construction Contractors, Developers, Planners, and MS4 Personnel	Sediment, debris, trash, nutrients, cleaning chemicals, oils, and other pollutants related to post development operation procedures	Develop standards to ensure that storm water controls or management practices will prevent or minimize impacts to water quality	1) Update and develop plans and specifications to specify required water quality control practices including LID and green infrastructure practices	3/1/2016 (Ongoing)	Plans and specifications will be updated/developed for non-structural BMPs, long-term structural controls, and LID and green instracture.	Standard specifications and plans must be developed in order to facilitate the regulations for all minimum control measures and will ensure consistent use of adequate BMPs and design/sizing of structural controls.	Program Manager	Standard plans and specifications developed	LID and Green Infastructure Plans and Specifications (Standard Specifications Webpage)
						2) Develop a supplemental LID handbook	3/1/2019	The Utah State Department of Environmental Quality (DEQ) plans to complete a Statewide LID Handbook by December 2018. Once the handbook is completed, Sandy City will complete a supplement handbook with specific Sandy City requirements for LID.	It is assumed that the LID Handbook that will be completed by DEQ will provide general guidance for LID BMP selection and implementation and that a supplemental handbook will be required in order to provide specific guidance on LID for Sandy City.	Program Manager	Supplemental LID Handbook developed	LID Handbook (Storm Water - Development and Construction Webpage)

**TABLE 5 CONTINUED**  
**MCM 5 PROGRAMS - LONG-TERM STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT (POST-CONSTRUCTION STORM WATER MANAGEMENT)**

ID	Program	Permit Part	Audience	Target Pollutant	Objective	Measurable Goal	Milestone Date	Description	Reasons for Selection	Person Responsible	Measure of Success	Documentation
5.3	Post-Construction Storm Water Maintenance Plan and Agreement	4.2.4.3.1 4.2.5.2 4.2.5.2.1 4.2.5.3 4.2.5.5 4.2.5.5.1 4.2.5.5.2 4.2.5.5.3	Engineers, Construction Contractors, Developers, Planners, and MS4 Personnel	Sediment, debris, trash, nutrients, cleaning chemicals, oils, and other pollutants related to post development operation procedures	Require preparation and execution of a post-construction maintenance plan and agreement and enforce maintenance per the agreement	1) Develop a standard for Post-Construction Storm Water Maintenance Plan and Agreement for new development and redevelopment	7/1/2015 (Complete)	The Post-Construction Storm Water Maintenance Plan and Agreement will be required for all properties whose operations and maintenance activities can affect storm water quality (i.e. commercial, industrial, institutional, and home owner associations). The standard plan and agreement will be required for subdivision and site plan approval.	This plan and agreement will provide an opportunity to inform development and property owners of storm water regulation and require accountability of property owners to protecting storm water after development is complete.	Storm Water Quality Coordinator	Standard Post-Construction Storm Water Maintenance Plan and Agreement developed and implemented	Standard Post-Construction Storm Water Maintenance Plan and Agreement (Storm Water - Development and Construction Webpage)
						2) Develop and implement a Storm Water Enforcement SOP	5/15/2015 (Ongoing)	The Storm Water Enforcement SOP will identify a strategy and enforcement procedures to minimize occurrence of, and obtain compliance from, chronic and recalcitrant violators.	A standard process to enforce maintenance of and to ensure that post-construction BMPs remain in place is required by the permit.		SOP developed and implemented	Storm Water Enforcement SOP (Storm Water - SWMP Webpage)
						3) Develop and implement a Post-Construction Site Management and Inspection SOP	5/15/2015 (Ongoing)	The Post-Construction Site Management and Inspection SOP will provide guidance for performing inspections of long term water quality structures.	It is important to have a standard process for inspecting post-construction structures to provide guidance to individuals performing inspections and ensure consistency in inspections.		SOP developed and implemented	Post-Construction Site Management and Inspection SOP (Storm Water - SWMP Webpage)
						4) Maintain a log of inspections and maintenance performed of structural controls by property owners/operators, as submitted to the City	Ongoing	Where inspections and necessary maintenance is required by the owner/operator, the property owner will be required to submit inspection and maintenance reports annually to the City. These reports will be documented in a spreadsheet log.	It is necessary to track the inspections and maintenance being performed of privately owned structural controls to assist in ensuring adequate maintenance and inspections are being performed.		Track maintenance and inspections performed of privately owned structural controls	Post-Construction Inspections Tracked (Cityworks)
						5) Inspect property owner/operator maintained storm water control measures once/five years		As required in the permit, the City will inspect storm water control measures to verify and ensure that adequate maintenance is being performed. An SOP will be developed for inspection of these facilities (see Program 5.3).	Inspection of developed property is necessary to ensure that the Post-Construction Storm Water Maintenance Plan and Agreement is followed so that site pollutants are contained and managed.		Log inspections completed by City of privately owned structural controls	
5.4	Retrofit Existing Infrastructure	4.2.5.3.3	MS4 Personnel	Sediment, debris, trash, nutrients, cleaning chemicals, oils, and other pollutants related to post development operation procedures	Develop a retrofit plan	1) Develop and implement a Retrofit Existing Infrastructure SOP	5/15/2015 (Ongoing)	The Retrofit Existing Infrastructure SOP will provide a plan/guidance to assess existing infrastructure, identify developed sites that are adversely impacting water quality, and identify potential retrofit needs (see Program 6.4).	The permit requires that a plan be developed to retrofit existing developed sites that are adversely impacting water quality.	Program Manager	SOP developed and implemented	Retrofit Existing Infrastructure SOP (Storm Water - SWMP Webpage)
						2) Track existing infrastructure that is retrofitted	Ongoing				Keep record of instrustructure that is retrofitted	Retrofitted Infrastructure (Cityworks)